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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/901,153	07/10/2001	Hyun-sook Kang	Q63309	5826

⁷⁵⁹⁰
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, NW
Washington, DC 20037-3213

^{05/09/2007}

EXAMINER

SAM, PHIRIN

ART UNIT	PAPER NUMBER
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2616

MAIL DATE	DELIVERY MODE
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05/09/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/901,153

Applicant(s)

KANG ET AL.

Examiner

Phirin Sam

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 September 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3, 4 and 8 is/are allowed.
- 6) ☒ Claim(s) 1, 2, 5-7, 9, 10, 12-14 and 16-18 is/are rejected.
- 7) ☒ Claim(s) 11 and 15 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

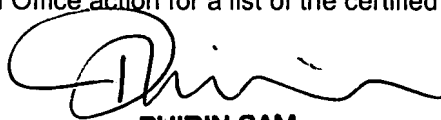
Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.



PHIRIN SAM
PRIMARY EXAMINER

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 2, 5-7, 9, 10, 12-14, and 16-18 are rejected under 35 U.S.C. 102(e) as being anticipated by US Pub. 2001/0002906 (hereinafter referred as “Rune”).

Rune discloses the invention (**amended claims 1, 5, 6, 9, and 13**) as claimed including a wireless communication device of a wireless communication system having at least one slave device, and a single master device that is connected to the slave device and that has information of addresses allocated to the slave devices (see Fig. 3), the wireless communication device comprising:

- (a) a transceiver unit for receiving an external data, and transmitting a transmission-destined signal (see Fig. 3, paragraph [0055], where the transceiver of the slave 1 receives the address (information) of the second slave B from the master M);
- (b) a controller which, when the wireless communication device is operated as a slave device connected to the single master device and the slave device intends to communicate with another slave device, generates a packet where an address of a destination slave device received from the single master device through the transceiver unit is recorded in a destination address region, and transmits the packet through the transceiver unit to the destination slave device only through the

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single master device (see Figs. 3 and 4, paragraphs [0057], [0063]-[0070], wherein the controller or packet processing of the slave A device generate the packet by including the slave B address);

(c) wherein the packet includes a destination address and a source address (see Figs. 2 and 3, paragraphs [0055]-[0056]).

Regarding claims 2, 7, 10, 12, 14, and 16, Rune discloses the controller records the address of the destination slave device in a header region of the packet (see Figs. 2-4, paragraphs [0055] and [0056]).

Regarding amended claim 17, Rune discloses A communication method for a wireless communication system having at least one slave device, and a master device that is connected to the at least one slave device and that has information of addresses allocated to the at least one slave device, the method comprising:

(a) the master device analyzing a packet received directly from a first slave device (see Fig. 3, paragraph [0057]);

(b) the master device transmitting the packet directly to a second slave device of a destination address, when an address recorded in a destination address region of the packet is the address of the second slave device (see Fig. 3, paragraph [0057]);

(c) wherein the packet includes the destination address and a source address (see Figs. 2-3, paragraphs [0055]-[0056]).

Regarding claim 18, Rune discloses the master device performs the analyzing and transmitting steps (see Fig. 3, paragraph [0057]).

Allowable Subject Matter

3. Claims 11 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
4. Claims 3, 4, and 8 are allowed.

Response to Arguments

5. Applicant's arguments filed 09/01/2006 have been fully considered but they are not persuasive.

Under the 37 CFR 1.131, Affidavit or declaration of prior invention states,

“(a) **When any claim of an application or a patent under reexamination is rejected, the inventor of the subject matter of the rejected claim, the owner of the patent under reexamination, or the party qualified under §§ 1.42, 1.43, or 1.47, may submit an appropriate oath or declaration to establish invention of the subject matter of the rejected claim prior to the effective date of the reference or activity on which the rejection is based.** The effective date of a U.S. patent, U.S. patent application publication, or international application publication under PCT Article 21(2) is the earlier of its publication date or date that it is effective as a reference under 35 U.S.C. 102(e). Prior invention may not be established under this section in any country other than the United States, a NAFTA country, or a WTO member country. Prior invention may not be established under this section before December 8, 1993, in a NAFTA country other than the United States, or before January 1, 1996, in a WTO member country other than a NAFTA country. Prior invention may not be established under this section if either:”

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In this situation, all joining inventors do not submit the 37 CFR 1.131 affidavit to the office to overcome the rejection of claims (swearing back of the reference) and instead, only Mr. Kuen Pyo Hong, the director of the patent department at Samsung Electronics, Co., Ltd., submitted the 37 CFR 1.131 rule in response to the office action. Mr. Kuen Pyo Hong is not the owner of this invention. For this reason the office will not consider this submission because there is no approval from all joining inventors.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phirin Sam whose telephone number is (571) 272-3082. The examiner can normally be reached on a compress schedule, from 8:00-5:30, first Wed off.

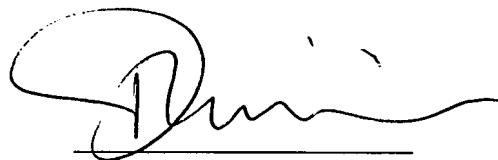
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on (571) 272 - 3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Respectfully submitted,

Date: May 1, 2007

A handwritten signature in black ink, appearing to read 'Phirin Sam', written over a horizontal line.

**PHIRIN SAM
PRIMARY EXAMINER**